

U. S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION

11S/7E-20P1

Field Data)  
in Diego

Quality of Water Branch  
ANALYTICAL STATEMENT

Well # 11S/7E-20P1  
Region: 1/4 Sec. 20P1 SB B-M  
Lab. No. 10210  
Analyst Wm. Locke  
Date completed 1-19-54  
Checked by R.N. Martin  
Date transmitted 1-25-54

	Parts Per Million	Equivalents Per Million	%r
SiO <sub>2</sub>			
Fe			
Ca	172	8.58	
Mg	33	2.71	
Na	225	9.78	
K	9.6	0.25	
Cation Totals:		21.32	
CO <sub>3</sub>	0	0.00	
HCO <sub>3</sub>	108	1.77	
SO <sub>4</sub> (a)	596	12.41	
Cl	250	7.05	
F			
NO <sub>3</sub>	5.4	0.09	
B			
Anion Totals:		8.91	gl

Specific conductance:  
From pump discharge (micromhos at 25°C) 2100  
Disch: Total Dissolved  
Solids TAF  
Sum (a) 1545 TAF  
Ignition loss  
Percent Sodium 46  
Total Iron (Fe)  
Color pH 7.8  
Turbidity  
Hardness as CaCO<sub>3</sub>:  
N. C. 476 Total 564  
Remarks:  
(a) Calculated

FIELD RECORDS, SUBJECT TO REVISION

GPO 965866

COPIED FROM ORIGINAL RECORD

U. S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION

WATER ANALYSIS

Number 11/7-20P1

Determined) Sum = 1674  
Total) solids + 4440

Date 12/10/53

Hardness (calc.)

Parts per million Equivalents per million %r

Color

SiO<sub>2</sub> .  
Fe . 000.00 00.0

Suspended matter

Ca 208 . 10.4 .  
Mg 79 . 6.5 .  
Na 242 . 10.54 .  
K 8 . 0.2 .

Ignition loss

Percent sodium 38

Cations

DESCRIPTION AND REMARKS

CO<sub>3</sub> .  
HCO<sub>3</sub> 111 . 1.82 .  
SO<sub>4</sub> 625 . 13.00 .  
Cl 457 . 12.9 .  
NO<sub>3</sub> ~~5.4~~ 0.09 .  
B .  
F .

analysis run at University. Another office analysis gives:  
HCO<sub>3</sub> 110. % Na = 48  
cl 255 pk = 6.8  
SO<sub>4</sub> 615 Tds = 1440ppm

Anions

Checked by

Error: Cations - Anions =  
Cations + Anions =

Region Borrego Valley

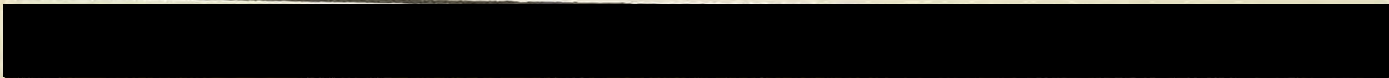
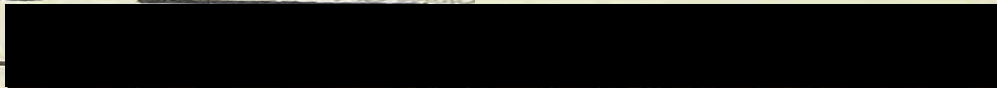
DWR No. \_\_\_\_\_; \_\_\_\_\_ B&M

Investigation F.R.

Other Nos. 11/7-20P1

County San Diego Near Borrego Springs

Description and Location



Casing 3 1/2" dia. Depth 568 Date completed Nov. 1951 Capacity (gpm) 450 SWL 73  
 Drawdown 8 ft. Perforations 70-114, 114-350 Size casing & Depth 12" 368  
 Gravel packed No Seal no At what depth \_\_\_\_\_ Log (Borden) Water-level record yes  
 Surface elev. 560 (Tons) Datum \_\_\_\_\_ Source of information Owner

Clarkson Chem Lab. report, 8/21/52, pH = 7.59, Cl = 270 ppm,  
Tds = 1556 ppm. Moderate alk. (Bicarbonate)